REMARKS

[0002]   Applicant respectfully requests reconsideration and allowance of all of the claims of the application. Claims 1, 3, 4, 6-14, 16, 18-24, 26-33, 35, 36, 38 and 39 are presently pending. Claims 1, 3-4, 6-11, 14, 16, 18-20, 22, 24, 27, 31-33 and 36 are amended herein. No claims are withdrawn or cancelled herein, and no new claims are added herein.
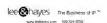
Formal Request for an Interview

[0003]   If the Examiner's reply to this communication is anything other than allowance of all pending claims, then I formally request an interview with the Examiner. I encourage the Examiner to call me—the undersigned representative for the Applicant—so that we can talk about this matter so as to resolve any outstanding issues quickly and efficiently over the phone.

[0004]   Please contact me to schedule a date and time for a telephone interview that is most convenient for both of us. While email works great for me, I welcome your call as well. My contact information may be found on the last page of this response.

Claim Amendments

[0005]   Without conceding the propriety of the rejections herein and in the interest of expediting prosecution, Applicant amends claims 1, 3-4, 6-11, 14, 16, 18-20, 22, 24, 27, 31-33 and 36 herein. Applicant amends claims to clarify claimed features. Such amendments are made to expedite prosecution and more quickly identify allowable subject matter. Such amendments are merely intended

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to clarify the claimed features, and should not be construed as further limiting the claimed invention in response to the cited references.

Formal Matters

[0006]   This section addresses any formal matters (e.g., objections) raised by the Examiner.

Claims

[0007]   The Examiner objects to claims 1, 16, 26 and 36 for a lack of antecedent basis for various features. Herein, Applicant amends these claims, as shown above, to address the objection made by the Examiner, and to expedite prosecution.

Substantive Matters

Claim Rejections under § 112 Second Paragraph

[0008]   Claims 1, 3, 7, 9, 11, 16, 18, 19, 22, 24, 27 and 32 are rejected under 35 U.S.C. § 112, Second Paragraph. Applicant respectfully traverses this rejection. Furthermore, in light of the amendments presented herein, Applicant submits that these rejections are moot. In particular, "trace log" has been clarified to be "server trace log" or "application trace log" as appropriate. Accordingly, Applicant asks the Examiner to withdraw these rejections.

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Claim Rejections under § 101

[0009]   Claim 36 is rejected under 35 U.S.C. § 101. Applicant respectfully traverses this rejection. Furthermore, in light of the amendments presented herein, Applicant respectfully submits that this claim, as amended, complies with the patentability requirements of §101 and that the §101 rejection should be withdrawn. Applicant further asserts that this claim is allowable. Accordingly, Applicant asks the Examiner to withdraw this rejection.

[0010]   If the Examiner maintains the rejection of this claim, then Applicant requests additional guidance as to what is necessary to overcome the rejection.

Claim Rejections under § 103

[0011]   The Examiner rejects claims 1, 3, 4, 6-14, 16, 18-24, 26-33, 35, 36, 38 and 39 under § 103. For the reasons set forth below, the Examiner has not made a prima facie case showing that the rejected claims are obvious.

[0012]   Accordingly, Applicant respectfully requests that the § 103 rejections be withdrawn and the case be passed along to issuance.

[0013]   The Examiner's rejections are based upon the following references in combination:

- **Tracing Overview:** *Microsoft,* "Tracing Overview" 2002, pages 1-8;
- **Schaefer:** *Schaefer, et al.,* US Patent No. 6,157,927 (issued December 5, 2000); and
- **Log Explorer:** *LogExplorer,* "LogExplorer Walkthrough" (April 16, 2007)

Overview of the Application

[0014]   The Application describes a method of tracing data on a network for a Web request that detects events of the Web request as the Web request is serviced. The method provides a unique identifier (GUID) for the Web request. The GUID is associated with all events for the Web request in a trace log. When such events occur in the servicing of the Web request, each event is recorded with the GUID of the Web request in a trace log. The trace log can be accessed via the GUID to debug a Web request service failure. (Application, Abstract)

Cited References

[0015]   The Examiner cites the Tracing Overview as the primary reference in the obviousness-based rejections. The Examiner cites Schaefer and "Log Explorer Walkthrough" as secondary references in the obviousness-based rejections.

Tracing Overview

[0016]   A Tracing Overview published by Microsoft in 2002 describes an ASP.NET runtime that collects debug tracing for applications and individual web pages. It also collects statistics and other information. A configuration file allows the collection to be adjusted.

Schaefer

[0017]   Schaefer describes a technology for a resource manager and a connection manager. Schaefer describes an interconnect for enabling a component in a transaction processing environment to request, as part of a global transaction under the control of a transaction manager that is not XATMI-compliant, a resource on a remote server outside of that environment that is under the control of an XATMI-compliant transaction manager. The resource manager comprises (i) means for mapping a first identifier that identifies the global transaction within the transaction processing environment of the first transaction manger to a second identifier that uniquely identifies the transaction within the protocol machine, (ii) means for maintaining a record for each branch of the transaction in which information relating thereto is stored, and (iii) means for logging together, in a secure storage, recovery information for both the transaction processing environment of the first transaction manager and the protocol machine. (Schaefer, Abstract)

Log Explorer

[0018]   "Log Explorer Walkthrough" is an article published in 2002 by Lumigent, a software company. The article describes a software called Log Explorer which is a transaction analysis and data recovery software. Log Explorer provides access to a database transaction log and thereby an ability to understand and resolve elusive database problems. One can identify the source of data changes, selectively recover modified, deleted, dropped, or truncated data, and export data for follow-up analysis and reporting.

Obviousness Rejections

Lack of *Prima Facie* Case of Obviousness (MPEP § 2142)

[0019]   Applicant disagrees with the Examiner's obviousness rejections. Arguments presented herein point to various aspects of the record to demonstrate that all of the criteria set forth for making a prima facie case have not been met.

Based upon Tracing Overview and Schaefer

[0020]   The Examiner rejects claims 1, 3, 4, 6-10, 13, 14, 32, 36, 38 and 39 under 35 U.S.C. § 103(a) as being unpatentable over Tracing Overview and Schaefer. Applicant respectfully traverses the rejection of these claims and respectfully asks the Examiner to withdraw the rejection of these claims.

Amended Independent Claim 1

[0021]   Applicant submits that the combination of Tracing Overview and Schaefer does not teach or suggest at least the following features as recited in this claim (in part and with emphasis added):

- "logging by the server a **server entry** in a server trace log in response to the detecting of the occurrence of the event in the servicing of the Web request, wherein the **server entry** comprises:
    - "information descriptive of the occurrence of the event in the servicing of the Web request;

- o ". . . a **server event GUID** corresponding to the event; and
  - o "the **Web request GUID** corresponding to the Web request;
- "logging by the Web application an **application entry** having an **application GUID** in an application trace log, wherein each **application entry** is **correlated with** each **server entry** in the server trace log **by a Web request GUID**."

[0022]   The Examiner asserts (Action, p. 10) that Tracing Overview at p. 5 discloses or suggests a "server entry" that is comprised of "[descriptive] information," a "server event GUID" and a "Web request GUID" as recited in this claim. The Applicant respectfully disagrees.

[0023]   The Examiner states the following (Action, p. 10) as to a "**server entry**" (emphasis added):

- logging by the server [Microsoft, p. 5 bottom] a server entry having a server event … [Microsoft, p. 5 bottom (i.e. counter")] in a server trace log [Microsoft, p. 5 bottom] in response to the detecting of the occurrence of the event in the servicing of the Web request, [Microsoft, pgs. 1 and 6] wherein the server entry comprises:
  - information descriptive of the occurrence of the event in the servicing of the Web request; [Microsoft, pgs. 6-8]
  - an event … corresponding to the event; [Microsoft, p. 5 bottom (i.e. counter")] and
  - the Web request … corresponding to the Web request; [Microsoft, p. 6 (i.e. session ID)]

[0024]   The Examiner attempts to rely on Tracing Overview to point to both a "server entry" and an "application entry." A close inspection of the Tracing Overview reveals that pages 5-8 are directed merely to an application. Thus, the Examiner seems to be equating a "server entry" with an "application entry." The Applicant asserts that these two entries are distinct. For example, application entries are logged to an "application trace log" and server entries are logged to a "server trace log" as recited in claim 1.

[0025]   Page 1 of the Tracing Overview states that there is "page-level tracing" and "application-level tracing." In contrast, claim 1 recites a "Web request," a "server entry" and an "application entry" with corresponding "Web request GUID," "server event GUID" and "application GUID." Thus, claim 1 is recites logging on the basis of a server in addition to logging on the basis of an application. In contrast, Tracing Overview is merely directed to tracing on an application basis and page-level basis.

[0026]   While, page 5 of Tracing Overview states that a "requestLimit" is a "number of trace requests to store on the server." However, merely storing a "trace request" on a "server" is not equivalent to a "server entry" as recited in claim 1 because a "trace request" does not comprise "[descriptive] information," "a server event GUID" and a "Web request GUID." Thus, as can be seen from a close inspection of Tracing Overview, this reference fails to teach or suggest what the Examiner alleges that it does. The Applicant asserts that Schaefer fails to remedy this deficiency of Tracing Overview. Thus, based on this substantive difference, claim 1 is allowable over the combination of Tracing Overview and Schaefer.

[0027]   Further, the Examiner cites to "request counter" on p. 5 of Tracing Overview to teach or suggest a "server event GUID" corresponding to "the event" as recited in claim 1 ("an event[sic] . . . corresponding to the event," p. 10 of Office Action). The Applicant respectfully disagrees that a "server event GUID" is not equivalent to a "counter."

[0028]   In addition, the Examiner asserts (Action, p. 10) that Tracing Overview at p. 6 discloses or suggests "each application entry is **correlated with** each server entry in the server trace log" as recited in this claim (emphasis added). The Applicant respectfully disagrees.
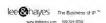
[0029]   Claim 1 has been amended to clarify that each application entry is correlated "by a Web request GUID."

[0030]   For such correlation, the Examiner cites to the portion of Tracing Overview that states "view details." This portion of Tracing Overview is shown here for convenience (with emphasis added):

> Application Trace Request Details
>
> After making a series of requests to the application, accessing trace.axd will list those requests in time-order. You can drill-down into the details for **each request** by selecting "View Details" link.
>
> The trace application presents the following detailed information for each request:

[0031]   The Tracing Overview then goes on to provide several values that are provided as part of the "detailed information" for **each request** (emphasis added). Pages 6-8 of Tracing Overview merely describe details of requests alone – with no correlation to something else. Merely providing details of "requests" as
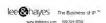
stated in Tracing Overview is not the same as "correlating . . . by a Web request GUID" an "application entry" in an "application trace log" **with** a "server entry" in a "server trace log" as recited in claim 1. The Examiner does not cite to Schaefer to make up for this deficiency of Tracing Overview. Thus, the Tracing Overview, even if combined with Schaefer, fails to teach "correlating" as recited in claim 1. Based on this substantive difference, claim 1 is allowable over the combination of Tracing Overview and Schaefer.

[0032]   The Examiner merely cites to Schaefer for a GUID that is "assigned to . . . [a] transaction." The result of combining Tracing Overview with Schaefer would be application-level tracing with the result being log entries for each page requested from a Web application and GUID's for each "transaction." There is no separate server trace log and no correlating entries by "Web request GUID" as recited in claim 1.

[0033]   Although not expressly stated (Office Action ,p. 11), the Examiner seems to equate page-level tracing and application-level tracing (being two separate "levels") of the Tracing Overview with a "predetermined level of verbosity" as recited in claim 1. The Applicant respectfully disagrees.

[0034]   Claim 1 has been amended to clarify that the selection "from a plurality of levels of verbosity" is "for the Web application and server." The Applicant submits that page-level and application-level tracing are not equivalent to "levels of verbosity" for an "application and server" as recited in amended claim 1. For the Tracing Overview to anticipate claim 1, the Tracing Overview would have to disclose, teach or suggest a plurality of levels of "verbosity" as

understood by those of ordinary skill in the art. After a review of this reference, there is no such teaching or suggestion. As such, the Tracing Overview, even if combined with Schaefer, fails to render obvious this feature of claim 1.

[0035]   Accordingly, the Applicant submits that these differences between claim 1 and Tracing Overview are substantive and patentably distinguish claim 1 from the combination of Tracing Overview and Schaefer. Thus, as shown, the combination of Tracing Overview and Schaefer fails to teach or suggest all of the features of this amended claim. Accordingly, Applicant respectfully asks the Examiner to withdraw the rejection of this claim.

Dependent Claims 3-4, 6-10 and 13-14

[0036]   These claims ultimately depend upon independent claim 1. As discussed above, amended claim 1 is allowable. It is axiomatic that any dependent claim which depends from an allowable base claim is also allowable. Additionally, some or all of these claims may also be allowable for additional independent reasons.

[0037]   For example, claim 6 has been amended to clarify that a "kernel trace session component of the operating system of the server performs event buffering to detect an event when traces are processed by a kernel when the operating system processes a part of the Web request." The Applicant asserts that the combination of the Tracing Overview and Schaefer fails to teach or suggest these claim features. The Examiner cites broadly to the entire Tracing

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Overview reference (pages 1-8) to teach or suggest "logging . . . performed by . . . an operating system of a server." However, neither Tracing Overview nor Schaefer teaches or suggests any processing by a kernel to process a Web request as newly recited in this claim. Based on this additional substantive distinction, amended claim 6 is further allowable over the combination of Tracing Overview and Schaefer.

Independent Claims 32 and 36

[0038]   The Examiner rejects these claims on substantially the same basis as independent claim 1 (Office Action, pp. 14-18). These claims have been amended to recite features substantively similar to claim 1. As discussed above, amended claim 1 is allowable. Accordingly, without needlessly repeating the discussion above, the Applicant asserts that claims 32 and 36 are allowable over the combination of Tracing Overview and Schaefer on the same or similar bases that amended claim 1 is allowable. The Applicant also respectfully asks the Examiner to withdraw the rejection of these claims.

Dependent Claims 38 and 39

[0039]   These claims ultimately depend upon independent claim 36. As discussed above, amended claim 36 is allowable. It is axiomatic that any dependent claim which depends from an allowable base claim is also allowable.

Additionally, some or all of these claims may also be allowable for additional independent reasons.

Based upon Tracing Overview, Schaefer and Log Explorer

[0040]   The Examiner rejects claims 11-12, 16, 18-24, 26-31, 33 and 35 under 35 U.S.C. § 103(a) as being unpatentable over Tracing Overview, Schaefer and Log Explorer. Applicant respectfully traverses the rejection of these claims and respectfully asks the Examiner to withdraw the rejection of these claims.

Claims 11 and 12

[0041]   Applicant submits that the combination of references cited by the Examiner does not teach or suggest at least the following features as recited in amended claim 1 from which these 2 claims depend (in part and with emphasis added):

- "logging by the server a **server entry** in a server trace log in response to the detecting of the occurrence of the event in the servicing of the Web request, wherein the **server entry** comprises:
  - o "information descriptive of the occurrence of the event in the servicing of the Web request;
  - o ". . . a **server event GUID** corresponding to the event; and
  - o "the **Web request GUID** corresponding to the Web request;

- "logging by the Web application an **application entry** having an
  application GUID in an application trace log, wherein each
  application entry is **correlated with** each **server entry** in the
  server trace log **by a Web request GUID**."

[0042]   The Examiner merely cites to Log Explorer for matching a supplied
ID (Office Action, p. 19). The Applicant asserts that Log Explorer fails to remedy
the deficiencies of Tracing Overview and Schaefer. Without needlessly repeating
the discussion above as to claim 1, the Applicant asserts that Log Explorer also
fails to teach or suggest the emphasized claim features above, and asserts that
claim 1 is also allowable over the combination of Tracing Overview, Schaefer and
Log Explorer. The Applicant respectfully asks the Examiner to withdraw the
rejection of claims 11 and 12 for being dependent from an allowable base claim.

Amended Independent Claim 16

[0043]   Applicant submits that the combination of references cited by the
Examiner does not teach or suggest at least the following features as recited in
this amended claim (in part and with emphasis added):

- "logging by the server each of the events as server entries in a **server
  trace log**, wherein each server entry comprises:
  - "information descriptive of the occurrence of an event;
  - "an event GUID corresponding to the event; and
  - "the Web request GUID corresponding to the Web request;

- "logging by the Web application an application entry having an application GUID in an **application trace log**, wherein each application entry is **correlated with each server entry in the server trace log by a Web request GUID**."

[0044]   The Examiner rejects claim 16 on substantially the same basis as the rejection of claim 1 (Office Action, p. 22), except that the Examiner cites to Log Explorer to teach or suggest "wherein during the servicing multiple logger streams are simultaneously active."

[0045]   The Applicant asserts that Log Explorer fails to remedy the deficiencies of Tracing Overview and Schaefer. Without needlessly repeating the discussion above as to claim 1, the Applicant asserts that Log Explorer also fails to teach or suggest the emphasized claim features above, and asserts that claim 16 is likewise allowable over the combination of Tracing Overview, Schaefer and Log Explorer because claim 16 recites features which are similar to those in claim 1. The Applicant respectfully asks the Examiner to withdraw the rejection of amended claim 16 for the same or similar reasons that claim 1 is allowable because the references cited by the Examiner, even when taken together, fail to teach or suggest each and every feature of amended claim 16.

Dependent Claims 18-24, and 26-31

[0046]   These claims ultimately depend upon independent claim 16. As discussed above, amended claim 16 is allowable. It is axiomatic that any dependent claim which depends from an allowable base claim is also allowable.
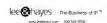
Additionally, some or all of these claims may also be allowable for additional independent reasons.

Amended Independent Claim 33

[0047]   The Applicant submits that the combination of references cited by the Examiner does not teach or suggest at least the following features as recited in this amended claim (in part and with emphasis added):

> "A network environment comprising a server . . . the server servicing
> Web requests from a Web application while performing Web
> request-based tracing to produce traces in a **server trace log** that
> comprise a Web request GUID for each Web request and to flow
> each Web request GUID from the server across to the Web
> application, wherein the Web application produces traces **in a Web
> application trace log**."

[0048]   The Examiner merely cites to Log Explorer for "multiple simultaneous active logger streams" (Office Action, p. 25). The Applicant asserts that Log Explorer fails to remedy the deficiencies of Tracing Overview and Schaefer. Without needlessly repeating the discussion above as to claim 1, the Applicant asserts that Log Explorer also fails to teach or suggest the emphasized claim features above, and asserts that claim 33 is also allowable over the combination of Tracing Overview, Schaefer and Log Explorer for the same or similar reasons presented above in support of amended claim 1. The Applicant

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Atty/Agent: John C. Meline
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respectfully asks the Examiner to withdraw the rejection of this amended independent claim.

Dependent Claims

[0049]   If not addressed individually above, in addition to its own merits, each dependent claim is allowable for the same reasons that its base claim is allowable. Applicant requests that the Examiner withdraw the rejection of each dependent claim where its base claim is allowable.

Conclusion

[0050]   All pending claims are in condition for allowance. Applicant respectfully requests reconsideration and prompt issuance of the application. If any issues remain that prevent issuance of this application, the **Examiner is urged to contact me before issuing a subsequent Action**. Please call or email me at your convenience.

Respectfully Submitted,

Lee & Hayes, PLLC
Representatives for Applicant

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